



## DOE/NSF Review of U.S. ATLAS

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# Estimate to Complete

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U.S. ATLAS Collaboration Meeting  
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## Ground Rules for Bottoms Up Estimate to Complete (ETC)

- September 30 1999 established as the cut off date for estimating
  - ◆ All work up to that date will match the actual expenses
  - ◆ All work after that date will be included in the ETC
  - ◆ All open commitments at the cut off date will be included in the estimate
  - ◆ Escalation rates will be provided based on the latest DOE factors
- MOUs for FY 2000
  - ◆ Current baseline schedules will be used as source data for the MOUs
  - ◆ MOU Addendum will be required if ETC revises funding
- Detailed cost estimates will be generated using the procedure given in Appendix 7 of the approved Project Management Plan (PMP) and submitted in accordance with this ETC Plan
  - ◆ ACCESS will be used for the cost book and all estimates



## Ground Rules for Bottoms Up ETC [2]

- ◆ Estimates will include all effort defined in the Complete Goals for U.S. Deliverables defined in Appendix 2 of the PMP with the following breakdown
  - Initial Approved Scope of U.S. Deliverables as defined in Appendix 3 of the PMP
  - Items set aside for Management contingency
- ◆ Estimates will be in FY 00 \$s
  - Revised rate table including Labor/Material/Overhead must be submitted
  - Basis for the estimate must be included
  - Labor estimates should be based on current information
  - Material estimates should be based on current vendor quotes
  - Dollars can be spread over time or included as a lump sum within ACCESS
  - Contingency estimates must be updated
- ◆ Subsystems with estimates that exceed the original baseline may forfeit scope



# FY00 Budget Goals

Subsystem	PMP 97\$	FY00\$*
Silicon	9,410	10,335
TRT	6,563	7,860
LAr	34,922	34,599
Tilecal	6,576	6,817
Muon	17,928	18,972
Trigger/DAQ	2,445	2,751

\*includes BCPs 1-10



## Ground Rules for Bottoms Up ETC [3]

- MS Project 98 will be used for all schedules with submittals in accordance with the attached Estimate to Complete Plan
  - Current schedules should be used if they still reflect the work being done
  - If the work remaining has changed then new schedules will be required
    - Schedule changes should be provided to the Project Office
    - There must be a one to one relationship between the estimate and the schedules
  - Interface with CERN schedule dates must be maintained or reconciled
- The Project Office will scrub all estimates
  - Meetings will be held with Subsystem Managers to review all estimates
  - This exercise will also address Management (Scope) Contingency
- Time frame for Estimate to Complete
  - Approximately four month period starting in September 1999
  - Culminates in a PAP Review in late January 2000
  - DOE/NSF Review to approve the new baseline will be held in late February 2000



## US ATLAS Estimate to Complete Planning Milestones

Item	Responsibility	Due Date
Issue Schedules w/Cost & Progress	C. Butehorn	7/21/99
Issue Target Budgets (WBS level 2) FY'00 Dollars – Link on <a href="http://usatlas.bnl.gov/pm">usatlas.bnl.gov/pm</a>	H. Gordon/C. Murray	7/21/99
Issue format and Request for Institutional Resource Rates in FY'00 Dollars	R. Ernst	7/21/99
The person responsible for each level 3 should print out a cost book and mark up changes	Subsystem Managers	8/10/99
Finalize ATLAS-ETC data Entry Screens	R. Ernst/ T. Dragos	8/10/99
Submit Revised Institutional Resource Rates	Subsystem Managers	9/01/99



## US ATLAS Estimate to Complete Planning Milestones

Item	Responsibility	Due Date
WBS Dictionary Reviewed & Updated	Subsystem Managers Project Office Approval	8/25/99 9/1/99
MOUs for FY00 Submitted to PO	Subsystem Managers	9/1/99
Agreement & Plan (by Subsystem) for the Basis of Est. Submission	Subsystem Managers & Project Office	9/10/99
Schedule changes submitted FY'00 to FY'05	Subsystem Managers	9/30/99
Access Resource Data submitted	Subsystem Managers	10/22/99
Complete Initial Roll-up & New Baseline Schedules	Project Office & Subsystem Managers	11/24/99



# File Conventions

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- On atlas2.phy.bnl.gov there are new directories:
- E:\pub\incoming\Project\_Management  
\ETC\Schedules; \WBS\Silicon, TRT, etc.
- New program: Atlas1\_ETC.mdb  
Atlas1\_ETC\_Data.mdb  
Atlas1\_ETC\_Inst\_Ess.mdb  
Atlas1\_ETC\_To\_Project.mdb